



IBM Rational Engineering Lifecycle Manager helps teams to tackle the rising complexity of product development and to improve project execution

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At a glance

Rational® Engineering Lifecycle Manager helps engineering teams to:

- Make effective and timely engineering decisions.
- Improve reuse of designs.
- Maintain compliance with standards by providing capabilities to visualize, analyze, and organize engineering lifecycle data and their relationships.

Overview

The products and systems that surround us and influence our lives are becoming smarter: more intelligent, instrumented, and interconnected. These products are increasingly complex as software delivers larger portions of the value of these innovative products and systems. Product development organizations are creating and managing larger, more complex, and more interrelated sets of engineering data. Old tools and processes for managing product development are strained by this complexity.

Additional and deeper dependencies across engineering domains create challenges for hardware and software co-design and other kinds of multi-disciplinary collaboration. Project development cycles lengthen. Staff costs increase. Too many defects escape notice until customer acceptance or field deployment. Opportunities for reuse may be missed.

At the same time, many organizations face pressure to get to market faster and drive cost out of the development process.

Rational Engineering Lifecycle Manager enhances the Rational solution for systems and software engineering by providing the capability to visualize, analyze, and organize systems product engineering data coming from many tools. It enables engineering teams to get a better understanding of the relationships in that data, so they can make more effective and timely engineering decisions.

Rational Engineering Lifecycle Manager uses Rational Jazz™ integration services to increase the visibility and value of engineering data.

- Get faster, more complete answers to key engineering questions across the lifecycle. Search and report on data across engineering disciplines, regardless of data source and location.

- Visualize and analyze engineering data and relationships in the context of user roles, product structure, development process, and project.
- Use views to navigate to specific engineering artifacts needed for a particular task, and open the artifacts in the tool that created the artifact.
- Analyze the impact of changes using visual and report-based representations of engineering artifacts and their relationships.
- Improve reuse of engineering artifacts and the components they represent.

Rational Engineering Lifecycle Manager indexes engineering data and makes the data available through custom role, product, process, and project views while honoring the security access settings on the data that it indexes.

Compared to alternative integration techniques, this federated, indexed approach has the potential to simplify deployment time and effort as well as reduce the run-time impact on engineering tools and the teams using them.

For ordering, contact your IBM® representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: AE001).

Key prerequisites

For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

- September 7, 2012: Electronic availability
- September 14, 2012: Media availability

Description

Rational Engineering Lifecycle Manager is a new capability of the Rational solution for systems and software engineering. It indexes product engineering data created and managed in Rational DOORS®, Rational Rhapsody® Design Manager, Rational Quality Manager, and Rational Team Concert™. And when MathWorks Simulink artifacts are used with the Rational Rhapsody Design Manager, Simulink artifacts can participate in the index as well.

Engineering data created by home-grown tools and other vendors have the potential to be indexed. Light-weight connectors are needed for this purpose. In the time frame of this initial release of Rational Engineering Lifecycle Manager, it is recommended that customers engage professional services from IBM or select IBM Business Partners to create these connectors.

A web-based system provides a portal into the indexed data, typically by using customized, predefined views to display the latest information from the index. These custom views could be role, product, process, or project perspectives. For example, an automotive manufacturer could use the downloadable ISO 26262 views to help follow and help prove compliance to this engineering process standard.

In addition, a visual impact analysis facility can help cross-disciplinary teams work together to understand the impact of proposed changes to the requirements or design.

For more information about the Rational solution for system and software engineering and Rational Engineering Lifecycle Manager, contact your IBM sales representative or IBM Business Partner.

Multicultural support and translation information for IBM software can be found online at

<http://www.ibm.com/software/globalization/scorecard/index.html>

Business Partner additional information

This first release of Rational Engineering Lifecycle Manager is sold through the IBM special bid process. Contact your Business Partner Sales Representative (BPSR) or Value Added Distributor (VAD) to learn more.

Offering Information

Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

Also, visit the Passport Advantage® website

<http://www.ibm.com/software/passportadvantage>

Publications

No publications are shipped with this product.

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

Technical information

Specified operating environment

Hardware requirements

Disk space: 5 GB of disk space for installation and run-time logs. In addition, 40 MB disk space required per 1000 resources indexed (at least 100 GB recommended for typical deployment).

Display: A display monitor with at least 1024 x 768 pixel resolution using 256 colors or more.

Memory: 16 GB RAM. Swap space equal to twice the physical memory (recommended). (More memory improves performance; the minimum memory depends on the number of concurrent users, the amount of data being requested, and the size of the database.)

Processor: 4-core CPU, 2.2 Ghz

Software requirements

Installation: IBM Installation Manager V1.5.3

Java™

- Oracle Java SDK/JRE/JDK 7.0 and future fix packs
- IBM Java SDK V6.0 (J9 2.6) and future fix packs

- IBM Java SDK/JRE V7.0 and future fix packs

Licensing: Rational License Key Server V8.1.2 and future fix packs

Web browsers

- Microsoft™ Internet Explorer 8.0 and future fix packs
- Microsoft Internet Explorer 9.0 and future fix packs
- Microsoft Internet Explorer 10 and future fix packs
- Mozilla Firefox ESR 10 and future fix packs

Application servers

- Apache Tomcat 7.0 and future fix packs
- WebSphere® Application Server V8.0.0.3 and future fix packs
- WebSphere Application Server V7.0.0.15 and future fix packs

Server operating systems

Linux™

- SUSE Linux Enterprise Server (SLES) 11 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 x86-64
- Red Hat Enterprise Linux (RHEL) 5 Server x86-64

Windows™

- Windows Server 2008 SP2 Enterprise Edition x86-64
- Windows Server 2008 SP2 Standard Edition x86-64
- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows Server 2008 R2 Standard Edition x86-64

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Planning information

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Packaging

Rational Engineering Lifecycle Manager

Security, auditability, and control

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

This product is only available via Passport Advantage . It is not available as shrinkwrap.

Product information

Licensed function title	Product group	Product category
IBM Rational Engineering Lifecycle Manager	Software Change and Configuration Management	Software Change and Configuration Management

Charge metrics definitions

Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

Cross-platform products

Cross-platform product for use on System z IFL engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z® IFL engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

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For clarification, note that for programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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Usage restriction

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System i Software Maintenance applies

No

Educational allowance available

Not applicable.

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